

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**  
(Attorney Docket No.: 004770.00461)

In the Application of:	)	
	)	
Erkki Tanskanen		Examiner: Hunter Lonsberry
	)	
Serial No.: 09/473,356	)	
	)	Group Art Unit: 2623
December 28, 1999	)	
	)	
Method, Apparatus, and System for	)	
Video Fast Forward Functionality	)	
In a Mobile Phone	)	

**DECLARATION UNDER 37 C.F.R. §1.131**

I, Erkki Tanskanen, declare as follows:

1. I am the inventor of claims 1 - 61 of the above-captioned patent application.
2. I am employed as a Software Engineer by Nokia Corporation, the assignee of the entire right, title, and interest in the above-captioned patent application.
3. I understand that U.S. Patent No. 6,658,199, filed by Bryan Severt Hallberg on December 16, 1999 ("the Hallberg Patent"), has been cited against claims 1-48 and 58 - 61 of the above-captioned patent application.
4. I conceived of the invention disclosed and claimed in claims 1-48 and 58 - 61 of the above-captioned patent application before December 16, 1999, and, along with my patent attorneys, was diligent in the preparation of the above-captioned patent application up to the filing of same on December 28, 1999. The following facts evidence and support diligence from before December 16, 1999 (16.12.1999) until the filing of the above-captioned patent application:
  - a. Before September 21, 1999, I drafted a confidential internal invention report having an internal reference number 28057. The invention report shows subject matter of the above-captioned application that is presently being rejected under Hallberg. Portions of the invention report attached hereto as Exh. A);

- b. On September 21, 1999, patent attorney Mr. Victor Siber of the law firm Rogers and Wells was instructed to start drafting the patent application directed to "Video Fast Forwarding Functionality in a Mobile Phone" having an internal reference number 28057. (correspondence attached hereto as Exh. B);
- c. On December 12, 1999, Mr. Ari Aarnio, a Patent Engineer at Nokia Corporation assigned to the above-captioned application, transmitted correspondence to Mr. Siber regarding the status of the application (correspondence attached hereto as Exh. C);
- d. On December 27, 1999, one of my patent attorneys at Rogers and Wells, Mr. Kevin Curran provided a draft of the above-captioned patent application, in which further comments on the draft of the above-captioned patent application were returned to the patent attorneys on December 28, 1999 (redacted correspondence attached hereto as Exh. D); and
- e. On December 28, 1999, the above-captioned patent application was filed in the United States Patent and Trademark Office.

5. The exchange of draft applications and correspondence with my patent attorneys demonstrates diligence from before December 16, 1999 until the filing of the above-captioned patent application and the constructive reduction to practice of my invention

6. All acts described in this Declaration were performed in the United States and/or a WTO country.

7. I declare further that all statements made herein are of my own knowledge and are true; that all statements made on information and belief are believed to be true, and further, that these statements are made with the knowledge that willful false statements and the like, so made, are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of this patent application or any patent issuing thereon.

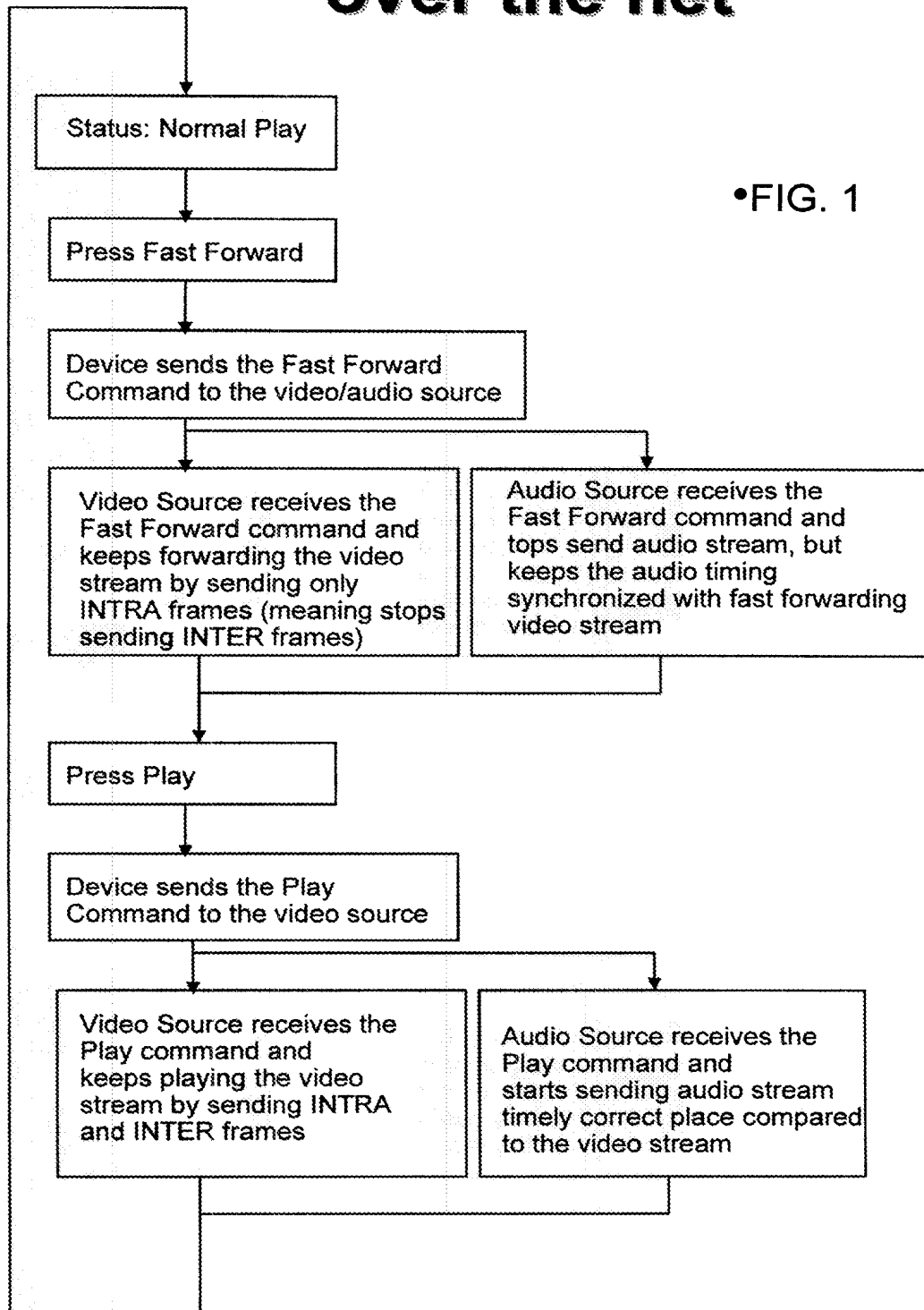


Erkki Tanskanen

Dated: January 8th 2007

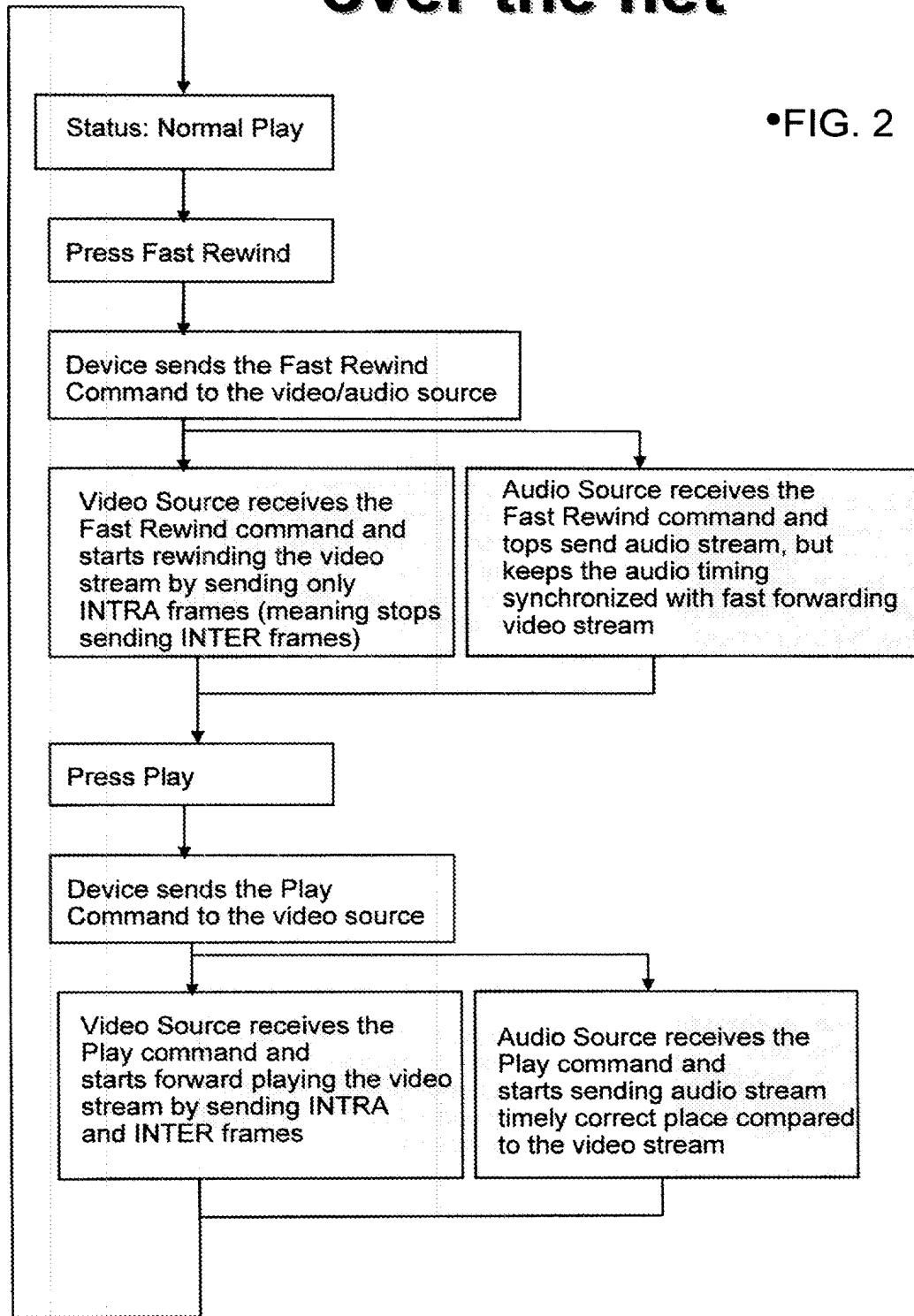
# EXHIBIT A

# 28057, Video Fast Forward over the net



# 28057, Video Fast Rewind over the net

•FIG. 2



# Elements of invention

- Terminal needs a receiver for video audio stream decompress video/audio stream, transmit control commands play, stop fast forward, fast rewind
- data packet
- terminal creates the connection to the service for watching the videostream, authentication is dependent whether the service is public or private service, you will get the menu of the streams to be watched, select the videostream, play first, then send the control command fast forward, filtering the inters away in server, server has a database of information of the places (where it starts and where it ends) of the inters, Then it will include only the intra (knows the start and end point of the intra), previous intra-coded picture's (I-picture) initial and final and the previous to that intra-coded picture
- program which understands the commands,
- by playing videostream we can finger, in which part we are according to temporally or send bits from the beginning of stream 0. According to this information we can find from database the information, in which the next intra will begin and after we can see, from which part the next intraframe begins.
- video/audiostream database and intra/inter frame database

# EXHIBIT B



**NOKIA**

ORDER LETTER

1 (2)

NVO  
Ari Aarnio

11.05.06

Mr. Victor Siber, Partner  
Rogers & Wells LLP  
200 Park Avenue  
New York  
NY 10166-0153, USA

21.9.1999  
Re: Intended U.S. Patent Application  
Entitled Video fast forward functionality in a mobile phone  
Your Ref:  
Our Ref: 28057  
Rating: 4  
Inventor: Erkki Tanskanen Luhtipolku 24 A 90, FIN-01660 VANTAA

Dear Mr. Siber,

Please start to draft a new patent application in the name of Nokia Corporation. The patent application shall be filed according to the following information:

Assignee:	Nokia Corporation
Street Address:	Keilalahdentie 4, FIN-02150 ESPOO, Finland
Post Address:	P.O.Box 226, FIN-00045 NOKIA GROUP, Finland
Inventor/s:	Erkki Tanskanen
Phone:	+ 3589511 62016
Due date:	30.11.1999

**Drafting the application:**

Confirmation:

[REDACTED]

Approval:

[REDACTED]

The Confirmation and filing report and invoices shall be sent to:

Nokia Corporation, Att: Ari Aarnio,

P.O.Box 207, FIN-00045 NOKIA GROUP, Finland.

**NOKIA**

ORDER LETTER

2 (2)

NVO  
Ari Aarnio

11.05.06

Tel. +358 40 5620437 and Fax +358-9-51162010

email contact: [ari.aarnio@nokia.com](mailto:ari.aarnio@nokia.com)

The invoices must be addressed to Nokia Corporation in the same address as the name and address in the application.

Official Actions shall be addressed to Ari Aarnio.

**2) Foreign Filing**

The Attorney will send a reminder letter at **8 months** after the priority date and possible other letters when no instructions are informed. They will be addressed to Ari Aarnio.

If you have anything to ask, please feel free to contact us.

Yours very truly,

Ari Aarnio

Encls.

# EXHIBIT C

# NOKIA

NVO  
Ari Aarnio

**Fax**  
**Urgent**

Date: 8.12..99  
Pages: 1 + 0

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From: Ari Aarnio  
Address: P O Box 207, FIN 00045 NOKIA GROUP, FINLAND  
Fax: +358 9 51162010  
Phone: +358 40 5620437  
E-mail: ari.aarnio@nokia.com

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To: **Mr. Victor Siber**  
Company: Rogers & Wells  
Fax: 990-12128788027  
Cc to:  
Case status

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Dear Mr. Siber,

[REDACTED]

28057 Video fast forward functionality in a mobile Erkki Tanskanen

[REDACTED]

My best regards Ari Aarnio

# EXHIBIT D

# NOKIA

*Fax*

**Confidential**

NVO  
Ari Aarnio

Date: December 28, 1999  
Pages: 1 + 0

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From: Ari Aarnio  
Address: P O Box 207, FIN 00045 NOKIA GROUP, FINLAND  
Fax: +358 9 51162010  
Phone: +358 40 5620437  
E-mail: ari.aarnio@nokia.com

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To: Mr. Kevin Curran  
Company: Rogers & Wells  
Fax: 990-1-212-8788375  
Cc to: 28057

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Dear Mr. Curran,

I thank you for your letter of Dec. 27, 1999.

I have the following comments:

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

The new version of yesterday seems to be all right.

I hope you are now able to file this application.

Should you need anything to ask, please feel free to contact me.

Best regards

Ari Aarnio